

# Author Index

Ambrósio, J., 65  
Bailey, C.G., 279  
Chin, C.S., 279  
da S. Vellasco, P.C.G, 187  
da Silva, A.T., 187  
da Silva, J.G.S., 187  
de Andrade, S.A.L., 187  
de J. dos Santos, J., 187  
de Lima, L.R.O., 187  
Dimitrovová, Z., 99  
Gantes, C.J., 219  
Gattulli, V., 1  
Gong, Z.W., 279  
Gramegna, F., 35  
Kaveh, A., 157  
Majorana, C.E., 35  
Pomaro, B., 35  
Pombo, J., 65  
Prete, G., 35  
Rahami, H., 157  
Salomoni, V.A., 35  
Sapountzakis, E.J., 243  
Šejnoha, M., 131  
Valenta, R., 131  
Vorel, J., 131  
Xiao, R.Y., 279  
Zeman, J., 131



# Keyword Index

- advanced finite element analysis, 219
- beam-to-column joints, 187
- bending, 243
- boundary element method, 243
- canonical forms, 157
- circulant, 157
- component method, 187
- composite floor, 279
- composite frame, 279
- composite structure, 279
- concrete, 131
- concrete durability, 35
- connections, 279
- coupled problem, 35
- damage assessment, 1
- decomposition, 157
- diagonalization, 157
- dynamic stiffness matrix, 99
- earthquake engineering, 1
- eigensolution, 157
- elastic stiffened plate, 243
- elevated-temperature, 279
- equilibrium path, 219
- existing buildings, 1
- experimental analysis, 187
- extended endplate joints, 187
- finite element method, 279
- fire, 279
- geometric nonlinearity, 219
- graph products, 157
- homogenization, 131
- imperfections, 219
- localized disturbances, 99
- masonry, 131
- mastic asphalt, 131
- material nonlinearity, 219
- modal expansion, 99
- moving load, 99
- moving mass, 99
- multibody systems, 65
- multiscale modeling, 131
- nonlinear analysis, 243
- nonuniform torsion, 243
- nuclear facility, 35
- radiation damage, 35
- radiation heat, 35
- radioactive ion beams, 35
- railway dynamics, 65
- random composites, 131
- reinforced plate with beams, 243
- ribbed plate, 243
- semirigid joints, 187
- shielding, 35
- slab-and-beam structure, 243
- state-space formulation, 99
- statistically equivalent periodic unit cell, 131
- steel structures, 187, 219
- strength, 219
- structural modelling, 1

track irregularities, 65

ultimate limit state, 219

vehicle-track interaction, 65

warping, 243

wheel-rail contact, 65



